

AMENDMENTS TO THE CLAIMS

Listing of Claims

Claims 1-25 (canceled)

Claim 26. (currently amended) A process for producing a blend of two or more polyethylenes, comprising the step of contacting:

- (1) ethylene;
- (2) one or more separately added α -olefins of the formula $R^{18}CH=CH_2$, wherein R^{18} is alkyl, wherein R^{18} has an even number of carbon atoms;
- (3) a first active polymerization catalyst under conditions to copolymerize ethylene and the separately added α -olefins ; and
- (4) a second active polymerization catalyst under conditions to polymerize ethylene, but ~~not readily~~ has little or no tendency to copolymerize ethylene and α -olefins,

and provided that said first and said second active polymerization catalysts are chosen from the group consisting of Ziegler-Natta catalysts and metallocenes.

Claim 27. (previously presented) The process as recited in claim 26 wherein a series of α -olefins of the formula $R^{18}CH=CH_2$ are present.

Claim 28. (currently amended) The process as recited in claim 26 wherein the second active polymerization catalyst is chemically different than the first active polymerization catalyst, ~~and has little or no tendency to copolymerize ethylene and α -olefins.~~

Claim 29. (canceled)

- Claim 30. (previously presented) The process as recited in claim 26 wherein the first polymerization catalyst is a metallocene-type catalyst.
- Claim 31. (previously presented) The process as recited in claim 26 wherein the first polymerization catalyst and second polymerization catalyst are supported.
- Claim 32. (previously presented) The process as recited in claim 31 carried out in the gas phase.
- Claim 33. (currently amended) The process as recited in claim 32 wherein the second active polymerization catalyst is chemically different than the first active polymerization catalyst, ~~and has little or no tendency to copolymerize ethylene and α -olefins.~~
- Claim 34. (canceled)
- Claim 35. (previously presented) The process as recited in claim 26 wherein the first and second polymerization catalysts are both metallocenes.
- Claim 36. (previously presented) The process as recited in claim 28 wherein the first and second polymerization catalysts are both metallocenes.
- Claim 37. (previously presented) The process as recited in claim 31 wherein the first and second polymerization catalysts are both metallocenes.
- Claim 38. (previously presented) The process as recited in claim 33 wherein the first and second polymerization catalysts are both metallocenes.
- Claim 39. (previously presented) the process as recited in claim 26 wherein at least one α -olefin wherein R^{18} contains an odd number of carbon atoms is also present.